

CARDIAC DISEASE TREATMENT AND DEVICE

ABSTRACT OF THE DISCLOSURE

5 A jacket of biological compatible material has an internal volume
dimensioned for an apex of the heart to be inserted into the volume and for the
jacket to be slipped over the heart. The jacket has a longitudinal dimension
between upper and lower ends sufficient for the jacket to surround a lower portion
of the heart with the jacket surrounding a valvular annulus of the heart and further
surrounding the lower portion to cover at least the ventricular lower extremities of
10 the heart. The jacket is adapted to be secured to the heart with the jacket
surrounding at least the valvular annulus and the ventricular lower extremities.
The jacket is adjustable on the heart to snugly conform to an external geometry of
the heart and assume a maximum adjusted volume for the jacket to constrain
circumferential expansion of the heart beyond the maximum adjusted volume
15 during diastole and to permit unimpeded contraction of the heart during systole.